

Bader Alqahtani

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Biography

I am a scientist in the field of Mechanical Engineering in the College of Engineering, Department of Mechanical Engineering at the Northern Border University (Saudi Arabia). I am involved in various research projects dealing with material sciences, nanostructure and its involvement in applied industry.

Work Experience

- 08/2019- Present** **Assistant Professor**, Mechanical Engineering in the College of Engineering, Department of Mechanical Engineering at the Northern Border University (Saudi Arabia).
Courses I have taught: Machine Dynamics, Senior Project.
Member of different committees in the department and College.
Providing different training programs for students, mainly focusing on soft skill.
- 09/2019-Present** **Supervisor of International Cooperation Administration.**
Northern Border University, Arar, Saudi Arabia.
Development of Strategic plan for the International cooperation, record and draft Memorandum of Understanding (MOUs) with International Universities.

Education

- Ph.D in Mechanical Engineering.**
University Of Toledo, Toledo, Ohio, USA
- Master of Science in Mechanical Engineering.**
Wilkes University, Wilkes-Barre, Pennsylvania, USA
- Bachelor of Science in Mechanical Engineering.**
Wilkes University, Wilkes-Barre, Pennsylvania, USA

Skills

An aspiring team worker, hardworking and dedicated professional, looking to meet challenges posed in the industry and to contribute towards the growth of an organization along with self-motivation.

Technical Skills

Programs: AutoCAD, ANSYS, MS Project, MATLAB, MS Excell, Virtual Basic, Basic C+, MiniTab, ProEngineering

Training Qualifications

Academic Leader Program. Northern Border University, Arar, Saudi Arabia.

Cisco: CCNA 1 Networking Basics, CCNA 2 Routers and Routing Basics, CCNA 3 Switching Basics and Intermediate Routing, CCNA 4 WAN Technologies.

Languages

Fluent in Arabic and English.

Honors & Accolades

Helping Hand Student Award, August 2013.
President of the Saudi Club Award, April 2012.

Volunteering Work

Co-founder of Lina volunteering organization, The university of Toledo, USA 2016
Member at Saudis in USA volunteering group, project management department, media , April 2011- May 2015
Invited speaker, University of Toledo, OH, USA, 2016
Teacher Assistant, Mechanical Engineering Department, Wilkes University, Wilkes Barre, PA, USA, 2013-2014.
Helping Hand for Diversity, International Office, Wilkes University August 2013-2014.
President, Saudi Students' Club, Wilkes University, Wilkes Barre, PA, USA, 2011-2012.

Publications

- 2020** **Ball-burnishing factors affecting residual stress of AISI 8620 steel.**
The International Journal of Advanced Manufacturing Technology 107(3-4)
- 2019** **Theoretical-experimental study of silicon carbide grinding.**
Int. J. Of Abrasive Technology 9.2 (2019): 138-153
- 2019** **Microscopic characterization and modeling of oxide layer
for electrolytic in- process dressing (ELID) grinding with
focus on voltage, electrode-wheel gap, and coolant.**
Int. J. of Advanced Manufacturing Technology (2019):1-10
- 2019** **Examination of Oxidation Sites for Electrolytic In-Process
Dressing (ELID) Grinding using SEM.**
The International Journal of Advanced Manufacturing Technology.
2019